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PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NIPPON ZEON CO LTD

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(54) WIDE-BAND WAVELENGTH PLATE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a 1/4-wavelength plate which has superior sharpness of a display and has no decrease in the sharpness and is usable for a wide-wavelength band when installed on a liquid crystal display and used.

SOLUTION: The wide-band 1/4-wavelength plate is manufactured by stacking a 1/2-wavelength plate (A) and a 1/4-wavelength plate (B); and at least one of the plates consists principally of alicyclic structure containing polymer resin and the both are characterized in that the ratio $Re(450)/Re(550)$ of the retardation value $[Re(660)]$ measured at 25° C with a 550 nm wavelength and the retardation value $[Re(450)]$ measured at 25° C with a 450 nm wavelength is ≤ 1.007 and a volatile component content is ≤ 0.1 wt.%.

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